

GRANT
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FINAL TECHNICAL REPORT

Principal Investigator: M. Schmidt
Grant: NAG 5 1531
Title: "The German ROSAT Deep Survey"

In the grant period of 7/15/91 - 7/14/92, the PI was resident at the Max-Planck-Institut for Extraterrestrial Physics (MPE) in Garching till 9/20/91, and visited MPE in November 1991, and March 1992 (at no charge to the grant).

The PI supported the ROSAT Deep Survey through the grant by:

1. developing methods to evaluate the Eddington effect on the source counts from the Deep Survey,
2. measurement of X-ray spectra of Deep Survey sources at MPE,
3. continuing development of models of the luminosity function of quasars and Seyfert galaxies, and application to the counts obtained in the Deep Survey,
4. observing candidate optical identifications of the stronger Deep Survey sources with the 200-inch telescope at Palomar - this confirmed twelve optical identifications and established first order systematic corrections to the x-ray positions.

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